

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
14 July 2005 (14.07.2005)

PCT

(10) International Publication Number
WO 2005/064192 A1

(51) International Patent Classification⁷: **F16D 55/228**,
55/00

(74) Agents: **MAGGIONI, Claudio** et al.; Jacobacci & Partners S.p.A., Via Senato, 8, I-20121 Milano (IT).

(21) International Application Number:
PCT/IT2003/000869

(81) Designated States (*national*): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, EG, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT (utility model), PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date:
30 December 2003 (30.12.2003)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (*for all designated States except US*): **FRENI BREMBO S.P.A.** [IT/IT]; Via Brembo, 25, I-24035 Curno (IT).

(84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

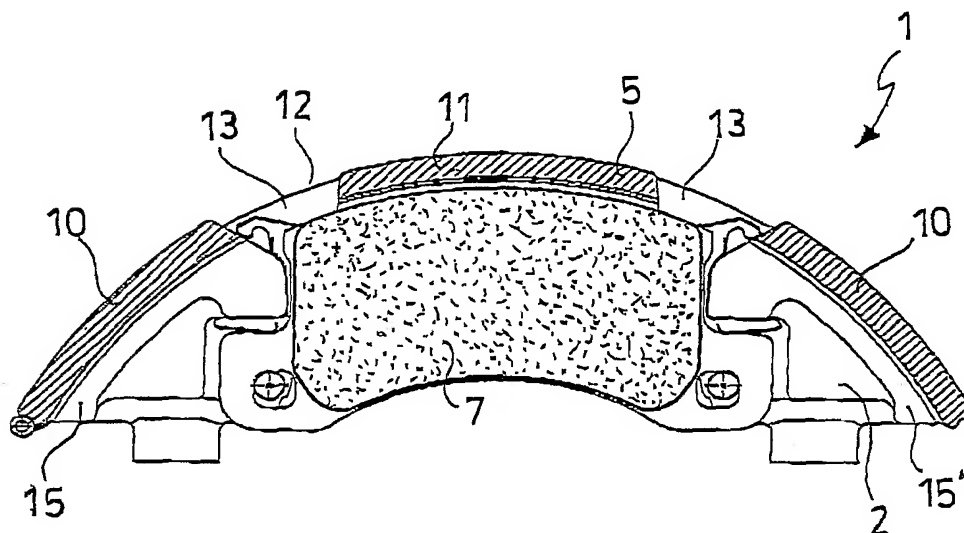
(75) Inventors/Applicants (*for US only*): **SCHORN, Michael** [DE/IT]; Viale Grigna, 16, I-20050 Camparada (IT). **TIRONI, Giovanni, Mario** [IT/IT]; Via C. Fonzago, 16, I-24044 Dalmine (IT). **ONGARETTI, Enrico, Battista** [IT/IT]; Via Adua, 6, I-24040 Stezzano (IT). **SALA, Paolo** [IT/IT]; Via Case Nuove, 10, I-24030 Villa D'Adda (IT).

Published:

— with international search report

[Continued on next page]

(54) Title: CALIPER FOR A DISC-BRAKE



(57) Abstract: A caliper (1) for a disc-brake comprises two side walls (2) at a distance from each other which delimit a space (3) to accommodate a portion of a brake disc in which one of said two side walls (2) comprises means (4) for attaching the caliper (1) to a vehicle so that it is integral in rotation and in translation. The side walls (2) are connected to each other by means of a connecting structure (5) which straddles the disc space (3). The connecting structure (5) comprises one or more shells (10, 11), arc-shaped or arranged along an arc, connected so as to be integral with both the side walls (2) along one of their outer circumferential edges (12) and the slenderness of these one or more shells (10, 11) expressed as the ratio of thickness to circumferential extension relative to an axis of rotation of the brake disc is less than 17/100.

WO 2005/064192 A1



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.